

What is claimed is:

1. A temperature measuring device comprising an approximately blade-shaped casing arranged within an airflow flowing into an engine of an aircraft or on an external surface of an airframe of an aircraft, the temperature measuring device being for measuring the total temperature T_1 of the airflow based on a measured temperature T of the airflow flowing over surfaces of the casing,

wherein a shape of the casing is set such that lumps of ice and snow which form on a surface of the casing in conditions of ice and snow, and which detach from the casing and strike the engine, the airframe or equipment of the aircraft detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft.

2. A temperature measuring device according to claim 1, wherein an angle of inclination of each blade surface of the casing with respect to a direction of a line of flow of the airflow is specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, , the airframe or the equipment of the aircraft .

3. A temperature measuring device according to claim 1, wherein a width of a leading edge section of the casing with respect to a direction of a line of flow of the airflow is specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, , the airframe or the equipment of the aircraft .

4. A temperature measuring device according to claim 2, wherein a width of a leading edge section of the casing with respect to the direction of the line of flow of the airflow is specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft.

5. A temperature measuring device according to claim 1, wherein an angle of inclination of the leading edge section of the casing with respect to a direction of a line of flow of the

airflow is specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft.

6. A temperature measuring device according to claim 2, wherein an angle of inclination of the leading edge section of the casing with respect to the direction of the line of flow of the airflow is specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft.

7. A temperature measuring device according to claim 3, wherein an angle of inclination of the leading edge section of the casing with respect to the direction of the line of flow of the airflow is specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft.

8. A temperature measuring device according to claim 4, wherein an angle of inclination of the leading edge section of the casing with respect to the direction of the line of flow of the airflow is specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft.